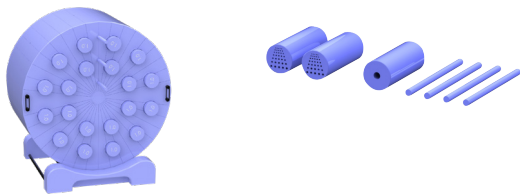


## SMART QA: RADIXACT® TREATMENT DELIVERY SYSTEM

Accuray is pleased to offer quality assurance (QA) packages for the Radixact® Treatment Delivery System to support installation and routine procedures required for maintaining proper system functionality.

### Standard Quality Assurance Package (INCLUDED WITH NEW RADIXACT® SYSTEMS)

This kit includes phantoms and ion chambers for routine machine and patient-specific QA tests specified by AAPM TG-148, as well as density model creation for planning and assessments of MVCT and kVCT image quality.



### Advanced TQA™ Software (INCLUDED WITH NEW RADIXACT® SYSTEMS)

A smart calendar-based productivity tool that simplifies collection and analysis of machine quality assurance tests. Advanced TQA leverages on-board detectors and automatically analyzes data to provide quantitative comparisons between expected and measured system performance characteristics.

Pass

| Item Name                            | Status | Value    | Unit    | Low Pass | High Pass | Tolerances |
|--------------------------------------|--------|----------|---------|----------|-----------|------------|
| Exit Detector Flatness (RMS)         | Pass   | 0.21281  | Percent | -1       | 1         | Pass       |
| Exit Detector Output Constancy       | Pass   | 100.1    | Percent | 99       | 101       | Pass       |
| Monitor Chamber Output Constancy     | Pass   | 100.07   | Percent | 99       | 101       | Pass       |
| Pulse By Pulse Cone Variation        | Pass   | 0.095742 | Percent | -2       | 2         | Pass       |
| Pulse By Pulse Dose1                 | Pass   | 0.52653  | Percent | -2       | 2         | Pass       |
| Pulse By Pulse Exit Detector Average | Pass   | 0.30203  | Percent | -2       | 2         | Pass       |

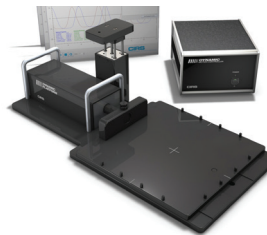
### Beam Measurement & QA Package

(Water Tank Kit) This dosimetry package includes a Radixact compatible water tank phantom, electrometer and beam data acquisition and analysis software. Kit is used to verify beam parameters after installation and annually thereafter.



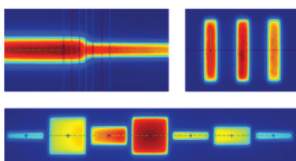
### CIRS Dynamic Platform for Synchrony®

Provides a user-friendly solution for tasks associated with tumor motion and patient positioning on Radixact. The device enables precisely controlled inferior-superior motion. When paired with the Tomo-Phantom HE and fiducial plugs, this solution is used to verify that the system can accurately deliver Synchrony plans and enables full end-to-end QA for Synchrony.



### RIT<sub>G148+</sub> or RIT Complete Film Analysis Software

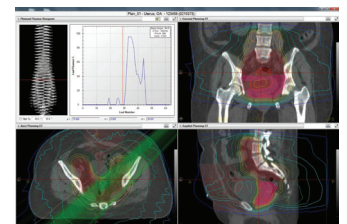
RIT<sub>G148+</sub>, precise and comprehensive software built to perform all machine and imaging QA analyses; includes all film alignment QA tests required by AAPM TG-148, as well as the ability to produce reports and trends.



RIT Complete includes all of the features of RIT<sub>G148+</sub>, as well as analysis tools for patient-specific QA.

### Delivery Analysis™ Software

Standalone software application that automates the collection of treatment delivery data and Synchrony 2D kV images, allowing for quantitative comparisons between planned and measured procedures. Powerful visualization tools help verify consistency for every treatment fraction delivered, providing actionable insights to help ensure all treatments stay on track.



| Item                                                                                                                                                                                                                                                                      | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Part Number                                                                                                                             | Manufacturer                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| <b>Standard Quality Assurance Package</b>                                                                                                                                                                                                                                 | <p>Includes the following:</p> <ul style="list-style-type: none"> <li>• Ion chambers with ADCL calibration (includes 10 m cable)                             <ul style="list-style-type: none"> <li>- Two Exradin A1SL thimble ion chambers</li> <li>- One Exradin A17 CT ion chamber</li> </ul> </li> <li>• Solid Water® HE Phantom (10 blocks total)                             <ul style="list-style-type: none"> <li>- 55x15x5 cm, no holes (1 block)</li> <li>- 55x15x5 cm, drilled cavity at 1 cm depth for A1SL ion chamber (2 blocks)</li> <li>- 55x15x2 cm, no holes (2 blocks)</li> <li>- 55x15x2 cm, two drilled cavities at 1 cm depth for A1SL ion chamber (1 block)</li> <li>- 55x15x1 cm, no holes (2 blocks)</li> <li>- 55x15x0.5 cm, no holes (2 blocks)</li> </ul> </li> <li>• Tomo-Phantom HE (Cheese Phantom)</li> <li>• Density and resolution plugs</li> </ul> | <p>N/A</p> <p><i>Included with new Radixact Systems.</i></p>                                                                            | <p>Standard Imaging</p> <p>Gammex</p> <p>Gammex</p> <p>Gammex</p> |
| <b>Advanced TQA™ Package</b><br>Results are available via Web browser. Multiple Radixact® and TomoTherapy® Systems are supported.                                                                                                                                         | <p>Includes the following:</p> <ul style="list-style-type: none"> <li>• Advanced TQA Software license</li> <li>• Aluminum Step Wedge phantom</li> </ul> <p><i>Note: Must have either H-1006-000-000 or 104940-000 in order to use all of the QA modules included with Advanced TQA Package.</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <p>1050353-000</p> <p><i>Included with new Radixact Systems.</i></p>                                                                    | <p>Accuray</p>                                                    |
| <b>Delivery Analysis™</b><br>One Delivery Analysis Workstation can support multiple Radixact and TomoTherapy Systems connected to the same iDMS® Data Management System.                                                                                                  | <p>Includes the following:</p> <ul style="list-style-type: none"> <li>• Delivery Analysis Software</li> <li>• Delivery Analysis Workstation</li> </ul> <p><i>Note: Delivery Analysis v2.3 and higher is compatible with RayStation plans.</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <p>1033485-000</p> <p><i>Included with Radixact X9 Systems. Compatible with all Radixact Systems.</i></p>                               | <p>Accuray</p>                                                    |
| <b>Beam Measurement &amp; QA Package</b> (water tank kit) If site has a Radixact compatible water tank will need to purchase TomoElectrometer with Beam Measurement software separately to perform routine QA tests and take advantage of Advanced TQA Software features. | <p>Includes the following:</p> <ul style="list-style-type: none"> <li>• TomoScanner Water Tank (two-dimensional)</li> <li>• TomoElectrometer (8 channels), with ADCL calibration</li> <li>• TEMS Beam Analysis software</li> </ul> <p><i>Note: A PC is not included; the software may be installed on a PC with a Microsoft® Windows® 7 or 10 operating system. For additional PC requirements contact an Accuray representative.</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                             | <p>H-1006-0000-000</p> <p><i>All sites need a Radixact compatible water tank</i></p>                                                    | <p>Standard Imaging</p>                                           |
| <b>TomoElectrometer with Beam Measurement Software</b><br>If the site has a water tank that is compatible with the Radixact System, will need to purchase this package to perform routine QA tests and to take advantage of Advanced TQA Software features.               | <p>Includes the following:</p> <ul style="list-style-type: none"> <li>• TomoElectrometer (8 channels), with ADCL calibration</li> <li>• TEMS Beam Analysis software</li> </ul> <p><i>Note: A PC is not included; the software may be installed on a PC with a Microsoft® Windows® 7 or 10 operating system. For additional PC requirements contact an Accuray representative.</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <p>104940-000</p>                                                                                                                       | <p>Standard Imaging</p>                                           |
| <b>RIT<sub>G148+</sub> or RIT Complete Software License</b>                                                                                                                                                                                                               | <p>Includes the following:</p> <ul style="list-style-type: none"> <li>• RIT<sub>G148+</sub> or RIT Complete software license</li> <li>• One-year Product Maintenance Program agreement from RIT (renewal may be purchased from RIT by customer, at customer discretion)</li> </ul> <p><i>Note: A PC is not included; the software license may be installed on any PC meeting the minimum system requirements (see www.radimage.com). Overhead Laser test on the Radixact System requires large, 12.8" x 17" (32.5 cm x 43.2 cm) gafchromic film; will need scanner to accommodate film size.</i></p>                                                                                                                                                                                                                                                                                  | <p>1047524-000 or 1051614-000</p> <p><i>Strongly recommend purchase of one of the RIT software packages for each clinical site.</i></p> | <p>RIT</p>                                                        |
| <b>CIRS Dynamic Platform for Synchrony®</b>                                                                                                                                                                                                                               | <p>Includes the following:</p> <ul style="list-style-type: none"> <li>• CIRS Dynamic Platform</li> <li>• CIRS Motion Control Software</li> </ul> <p><i>Note: A PC is not included; the software license may be installed on any PC meeting the minimum system requirements (see www.cirsinc.com).</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <p>1067179-000</p>                                                                                                                      | <p>CIRS</p>                                                       |

I = Installation D = Daily M = Monthly Q = Quarterly A = Annually O = Other P = Patient Specific QA

| Item                                                | Use                                                                                                                                                                                                                | Accuray Purchaseable                              | I | D | M | Q | A | O | P |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---|---|---|---|---|---|---|
| <b>AISL Ion chamber</b>                             | Static output and PDD consistency<br>Beam profiles<br>MVCT & kVCT dose<br>Completion procedure check<br>Absolute dose calibration                                                                                  | Included                                          | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| <b>A17 Large volume ion chamber</b>                 | Y-jaw alignment<br>TQA™ Jaw Sweep - Dynamic Jaws<br>Water tank reference                                                                                                                                           | Included                                          | ✓ |   |   |   | ✓ | ✓ |   |
| <b>Tomo-Phantom HE (Cheese Phantom)</b>             | Output calibration plans<br>CT number calibration<br>Image quality assessment<br>MVCT dose                                                                                                                         | Included                                          | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| <b>Density and resolution plug set</b>              | Density model creation<br>Image quality assessment                                                                                                                                                                 | Included                                          | ✓ |   | ✓ |   |   |   |   |
| <b>Solid Water® HE Phantom</b>                      | Static output and PDD consistency<br>Longitudinal profiles<br>Build-up (e.g. for film alignment tests)                                                                                                             | Included                                          | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |   |
| <b>Advanced TQA™ Software and Step Wedge</b>        | iDMS® calendar-based management of QA activities<br>Perform & report semi-automated routine QA tests<br>Measures MVCT and kVCT image quality performance<br>Water tank beam analysis                               | Included                                          | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |   |
| <b>Delivery Analysis™ Software</b>                  | Patient plan delivery verification: MLC performance, delivery visualization, 3D dose calculation, results dashboard<br>Ability to review Synchro™ 2D kV snap shots                                                 | Yes<br><i>(Included with Radixact® X9 System)</i> |   |   |   |   |   | ✓ |   |
| <b>Water tank</b>                                   | Beam profiles (transverse, longitudinal, PDD)                                                                                                                                                                      | Yes                                               | ✓ |   |   |   | ✓ | ✓ |   |
| <b>Beam data analysis software</b>                  | Water tank beam data collection and analysis software                                                                                                                                                              | Yes                                               | ✓ |   |   |   | ✓ | ✓ |   |
| <b>Electrometer</b>                                 | Absolute dose calibration<br>Beam profile measurement<br>Alignment checks                                                                                                                                          | Yes                                               | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| <b>Film analysis software (RIT<sub>6148+</sub>)</b> | Analyzing alignment film                                                                                                                                                                                           | Yes                                               | ✓ |   | ✓ | ✓ | ✓ | ✓ |   |
| <b>Film analysis software (RIT Complete)</b>        | Analyzing alignment and patient QA film                                                                                                                                                                            | Yes                                               | ✓ |   | ✓ | ✓ | ✓ | ✓ | ✓ |
| <b>CIRS Dynamic Platform (Synchro™ QA)</b>          | Pair with Tomo-Phantom HE and fiducial plugs for end-to-end QA<br>Synchro plan verification                                                                                                                        | Yes                                               | ✓ |   |   |   |   |   | ✓ |
| <b>Film digitizer</b>                               | Medium film, 7.9"x9.8" (20 cm x 25 cm) sufficient for most machine QA tests<br>Large gafchromic film, 12.8"x17" (32.5 cm x 43.2 cm) required for overhead laser test; will need digitizer to accommodate film size | No                                                | ✓ |   | ✓ | ✓ | ✓ | ✓ | ✓ |
| <b>Digital barometer</b>                            | Absolute dose calibration (for ion chamber)                                                                                                                                                                        | No                                                | ✓ | ✓ | ✓ |   | ✓ | ✓ | ✓ |
| <b>Thermometer</b>                                  | Absolute dose calibration (for ion chamber, diode)                                                                                                                                                                 | No                                                | ✓ | ✓ | ✓ |   | ✓ | ✓ |   |
| <b>Level</b>                                        | Couch alignment and laser alignment                                                                                                                                                                                | No                                                | ✓ |   | ✓ |   | ✓ |   |   |
| <b>Survey meter</b>                                 | Radiation surveys                                                                                                                                                                                                  | No                                                | ✓ |   |   |   | ✓ |   |   |

I = Installation D = Daily M = Monthly Q = Quarterly A = Annually O = Other P = Patient Specific QA

| Item                                                                           | Use                                                                                     | Accuray Purchaseable | I | D | M | Q | A | O | P |
|--------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------|---|---|---|---|---|---|---|
| <b>Workstation/laptop</b>                                                      | Operation of TEMS Beam Analysis and RIT film software                                   | No                   | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| <b>Film</b><br>(requires RIT <sub>0148+</sub> or RIT Complete software)        | Completion procedure check<br>Patient QA<br>Alignment films                             | No                   | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| <b>QA array device</b><br>(Planar or 3D)                                       | Machine QA and patient QA                                                               | No                   |   | ✓ | ✓ |   |   |   | ✓ |
| <b>ScandiDos Delta<sup>4</sup> with HexaMotion Platform</b><br>(Synchrony® QA) | Synchrony patient QA<br><i>Note: Can be used as an alternative to the CIRS solution</i> | No                   |   |   |   |   |   |   | ✓ |
| <b>Small diameter image quality phantom</b>                                    | Image quality assessments for 270 mm field of view with ClearRT™ Max - optional         | No                   | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| <b>Small diameter density plug phantom</b>                                     | Creating density models for 270 mm field of view with ClearRT Max - optional            | No                   |   |   | ✓ |   | ✓ |   |   |

For more information, please contact your Accuray sales representative.

**Please note:** Accuray recommends that quality assurance packages be ordered at least 10 weeks before system acceptance. Third Party Products: Accuray does not support or service products that are identified in the table above as being manufactured by third parties. Such products are designed, tested, and manufactured by such third-party vendors. Accuray makes no representations or warranties, express or implied, with respect to such products.

**Important Safety Information**

Most side effects of radiotherapy, including radiotherapy delivered with Accuray systems, are mild and temporary, often involving fatigue, nausea, and skin irritation. Side effects can be severe, however, leading to pain, alterations in normal body functions (for example, urinary or salivary function), deterioration of quality of life, permanent injury, and even death. Side-effects can occur during or shortly after radiation treatment or in the months and years following radiation. The nature and severity of side effects depend on many factors, including the size and location of the treated tumor, the treatment technique (for example, the radiation dose), and the patient's general medical condition, to name a few. For more details about the side effects of your radiation therapy, and to see if treatment with an Accuray product is right for you, ask your doctor.